

Title (en)
PROTON-BEAM OR NEUTRON-BEAM IRRADIATION TARGET AND METHOD FOR GENERATING RADIOACTIVE SUBSTANCE USING SAME

Title (de)
PROTONENSTRAHL- ODER NEUTRONENSTRAHLBESTRAHLUNGSZIEL UND VERFAHREN ZUR ERZEUGUNG RADIOAKTIVER SUBSTANZEN DAMIT

Title (fr)
CIBLE DE RAYONNEMENT DE FAISCEAU DE PROTONS OU DE FAISCEAU DE NEUTRONS ET PROCÉDÉ DE GÉNÉRATION D'UNE SUBSTANCE RADIOACTIVE À L'AIDE DE CELLE-CI

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Application
EP 18814273 A 20180606

Priority
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Abstract (en)
[origin: EP3637437A1] An object of the present invention is to realize a target, for neutron-beam or proton-beam irradiation, that can withstand prolonged beam irradiation. A target for proton-beam or neutron-beam, comprising a graphite film (A) having a thermal conductivity of 500 W/mK or more in a direction parallel to an a-b plane of a graphite layer at 25°C; and a layer (B) of a starting material for producing a radioactive substance, and being a laminate of the graphite film (A) and the layer (B). A density of the graphite film (A) is preferably 1.8 to 2.26 g/cm³. A tensile strength of the graphite film (A) is preferably 5 MPa or more.

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Citation (search report)
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